

June 21, 2002 Update

OPERATIONAL DEFINITIONS FOR MFR/ACCOUNTABILITY MEASURES/INDICATORS					
Measure #	Special Timeframe Issues	USM Template Objective	Indicator/Measure	Source	Operational Definition
INPUTS					
1	FY99: Fall 98 FY00: Fall 99 FY01: Fall 00 FY02: Fall 01	1.1 & 2.1	Total undergraduate enrollment ¹	EIS	Self-explanatory
2	See #1	1.2	Number of undergraduates in teacher training programs	Institution (UMBC Dept. of Educ.)	The number of undergraduate students who have been accepted and enrolled into a teacher training program (in most institutions, acceptance into a teacher training program may require passing Praxis I).
3	See #1	1.2	Number of post-baccalaureate students in teacher training programs	Institution (UMBC Dept. of Educ.)	The number of students who have received a bachelor's or higher degree and are enrolled in a post-baccalaureate certification program, resident teacher certification program or masters of arts in teaching program (in most institutions, acceptance into these programs may require passing Praxis I)
4	See #1	1.3	Number of undergraduate students enrolled in IT programs	EIS	Use the programs your institution includes in MAITI. Generally, these are: Computer Science , (including Computer and Information Science, Computer Studies, and Computer Information Technology), Computer Engineering , Electrical Engineering , Software Engineering , Systems Engineering , Telecommunications , Information Systems Management , Engineering Management , Decision and Information Technology , Geographic Information Systems , Nursing Informatics
5	See #1	1.4	Number of undergraduates enrolled in nursing programs	EIS	Self-explanatory
6	FY 99:Fall 98+Spring 99 FY 00:Fall 99+Spring 00 FY 01:Fall 00+Spring 01 FY 02:Fall 01+Spring 02	1.6	Number of enrollments in distance education courses and off-campus courses	Off campus enrollment form	The number of enrollments in courses offered off campus and through the Internet, IVN, etc. Note: this is not an unduplicated count, but the addition of enrollments in all distance education courses

¹ Not a core/common measure/indicator

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Measure #	Special Timeframe Issues	USM Template Objective	Indicator/Measure	Source	Operational Definition
7	See #1	3.1	% minority of all undergraduates	EIS	Minority: African-American, Hispanic, Asian American, Native American
8	See #1	3.2	% African-American of all undergraduates	EIS	Self-explanatory.
9	FY99: AY9899 FY00: AY9900 FY01: AY0001 FY02: AY0102	3.7	% of economically disadvantaged students	Common Data Set	Number of degree-seeking undergraduate students, both full- and part-time, who applied for financial aid and who were determined to have financial need (from line H2c of the Common Data Set 2000-2001) divided by the total number of degree-seeking undergraduates. (line H2a).
UMBC1	FY99: Fall 1998 FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001	4.9	SAT of Freshmen Class: 25 th percentile	EIS	SAT score at 25 th percentile for new freshmen
UMBC2	FY99: Fall 1998 FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001	4.9	SAT of Freshmen Class: 75 th percentile	EIS	SAT score at 75 th percentile for new freshmen
UMBC3	FY99: Fall 1998 FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001	4.9	SAT of Freshmen Class: Median	EIS	25 th percentile score + ((75 th percentile score-25 th percentile score)/2)
UMBC4	FY99: Fall 1998 FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001	4.12	Ratio of FTE students to FT faculty	IPEDS/AAUP	Full-time students plus one-third part time students per FT faculty (as defined by AAUP: Full-time faculty with rank of professor, associate professor, and assistant professor)
UMBC5	Fiscal year basis	5.3	Average alumni giving rate	CAE	Percent of solicited alumni giving to school during the academic year
UMBC6	Fiscal year basis	5.4	Endowment (millions)	CAE	Cumulative \$
OUTPUTS					
10	Fiscal year basis	1.1 & 2.1	Total bachelor's degree recipients	DIS	The number of students graduating with a bachelor's degree (note: this is NOT the number of bachelor's degrees awarded)
11	See #2	1.2	Number of undergraduate students completing	Institution	The number of undergraduate students who have

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			teacher training program	(UMBC Dept. of Educ.)	completed all the requirements for teacher certification EXCEPT Praxis II
12	See #2	1.2	Number of post-baccalaureate students completing teacher training program	Institution (UMBC Dept. of Educ.)	The number of students enrolled in post-baccalaureate certification programs, resident teacher certification programs or masters of arts in teaching programs who have completed all the requirements for teacher certification EXCEPT Praxis II
13	Fiscal year basis	1.3	Number of students graduating from IT baccalaureate programs	DIS	Use MAITI definition of IT program: see #4
14	Fiscal year basis	1.4	Number of students graduating from baccalaureate nursing programs	DIS	Self-explanatory
UMBC7	Fiscal year	2.4	Number of jobs created by UMBC's Research Park & Technology Center.	Exec.Dir/UM Research Park & Tech. Ctr.	Total number of jobs created by companies in UMBC's Research Park & Technology Center.
15	FY 99:cohort of 1997 FY 00:cohort of 1998 FY 01:cohort of 1999 FY 02:cohort of 2000	3.3, 3.4, 4.1	Second year retention rate	EIS, DIS	The percentage of first-time, full-time degree-seeking undergraduates who re-enrolled at UMBC one year after matriculation. Minority: see #7 above.
16	FY 99:cohort of 92 FY 00:cohort of 93 FY 01:cohort of 94 FY 02:cohort of 95	3.5, 3.6, 4.2	Six year graduation rate	MHEC : EIS, DIS	The percentage of first-time, full-time degree-seeking undergraduates who graduated from any Maryland public four-year institution within six years of matriculation. Institutions may provide additional refinements based on IPEDS' national definition. Minority: see #7 above. Data provided by MHEC
17	Fiscal years: FY99: FY98 FY00: FY99 FY01: FY00 FY02: FY01	4.5	Total R&D expenditures	National Science Foundation	\$s spent on R&D from federal, state, industry, institutional, and other sources (excluding expenditures in medical science for institutions other than UMB)
UMBC8	FY 99: Fall 97 Faculty/FY98\$	4.10	\$ in total R&D expenditures per FT faculty (thousands)	NSF	UMBC \$ in total R&D expenditures (per NSF) per FT Faculty (as defined by AAUP: full-time faculty in ranks

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	FY 00: Fall 98 Faculty/FY99\$ FY 01: Fall 99 Faculty/FY00\$ FY02: Fall 00 Faculty/FY01\$				of professor, associate professor, and assistant professor)
UMBC9	FY 99: FY94-FY98 FY 00: FY95-FY99 FY 01: FY96-FY00 FY 02: FY97-FY01	4.11	Rank among peers in 5-year average annual growth rate in federal R&D expenditures	NSF	UMBC growth in federal R&D expenditures – average annual growth over 5 year period
OUTCOMES					
18	See # 15	1.1	Employment rate of graduates	See #15	The percentage of bachelor's degree recipients who held full- or part-time jobs within one year of graduation.
19	See #15	1.1	Number of graduates employed in Maryland	See #15	(The percentage of bachelor's degree recipients who held full- or part-time jobs in Maryland within one year of graduation as derived from the follow up survey of graduates) X (the number of bachelor degree recipients).
20	FY 00: AY 99-00 FY 01: AY 00-01 FY 02: AY 01-02	1.2	Number of students who completed all teacher training requirements who are employed in Maryland public schools	MSDE	Self-explanatory. This information will be provided by the USM Office
21	See #15	1.3	Number of graduates employed in from IT programs employed in Maryland	See #15	(The percentage of bachelor's degree recipients from IT programs who held full- or part-time IT jobs in Maryland within one year of graduation as derived from the follow up survey of graduates) X (the number of bachelor degree recipients from IT programs). See #4 for MAITI definition of IT program
22	See #15	1.4	Number of graduates of nursing programs employed as nurses in Maryland	See #15	(The percentage of bachelor's degree recipients who held full- or part-time nursing jobs in Maryland within one year of graduation as derived from the follow up survey of graduates) X (the number of bachelor degree recipients)

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Measure #	Special Timeframe Issues	USM Template Objective	Indicator/Measure	Source	Operational Definition
23	See #15	1.5	Employers' satisfaction with USM graduates	Schaefer Center Survey	Average of the 10 dimensions of employers' rating of satisfaction with graduates of USM baccalaureate programs Percentage of employers that would definitely or probably hire another graduate from the same institution
24		2.1	Percent of state residents who have a bachelor's degree	Md. State Department of Planning	Percent of Maryland residents 24 year and older who have completed a bachelor's degree
25	FY 99: FY 97 graduates FY 00: FY 99 graduates FY 01: FY 00 graduates FY 02: FY 01 graduates	2.2	Median Average salary of graduates	MHEC follow-up survey of graduates (Schaefer Center Survey for 2000 graduates)	Median Average salary of bachelor's degree recipients who are employed FT: Midpoint of median salary category.
26	See #15: FY00: FY99 Graduates/1999 Census FY01: FY00 Graduates/1999 Census FY02: FY01 Graduates/1999 Census	2.2	Ratio of median average salary of USM graduates to U.S. civilian work force with bachelor's degree	US Census Bureau/Alumni Surveys	Midpoint of median salary category as a ratio of median salary of US residents 25 and older who have a bachelor's degree. This information will be provided by USM Office
27	Fiscal years	2.3	Number of companies graduating from incubator programs	Exec.Dir./UMBC Res. Park & Tech Ctr.	Companies who, having been provided space and services, have moved out into their own space
28		4.3	Number of nationally ranked academic programs	U.S. News	Number of colleges , programs, or specialty areas ranked among the top 20 in the nation by U.S. News & World Report.
UMBC11	FY99: FY96 Graduates FY00: FY97 Graduates	3.8	% of African-American bach recipients enrolled in grad/professional study 1 year later	Alumni Survey	The number of African-American bach recipients reporting "yes, I am currently enrolled full-time", "yes, I

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	FY01: FY99 Graduates FY02: FY00 Graduates				am currently enrolled part-time”, or “yes, but I am not currently enrolled” in graduate or professional study one year following graduation per the total # of African-American bach degree recipients answering the survey and responding to this question .
UMBC12	FY99: FY96 Graduates FY00: FY97 Graduates FY01: FY99 Graduates FY02: FY00 Graduates	4.8	% of bachelor’s recipients enrolled in grad/professional study 1 year later	Alumni Survey	The number of bachelor’s degree recipients reporting “yes, I am currently enrolled full-time”, “yes, I am currently enrolled part-time”, or “yes, but I am not currently enrolled” in graduate or professional study one year following graduation per the total number of bachelor’s degree recipients responding to the survey and answering the question.
29		5.1	Funds raised through Campaign for Maryland	UMF	Campaign cumulative total as of the end of each FY
QUALITY					
30	FY99: FY98 FY00: FY99 FY01: FY00 FY02: FY01	1.2	Percent of undergraduate students who completed teacher training program and passed Praxis II (or the NTE, if applicable during the transition period)	Institution (UMBC Dept. of Educ.)	The number of undergraduate students who passed the Praxis II (or NTE if applicable) divided by the number of undergraduate students who took Praxis II. had completed all other requirements for a teacher certification (from output measure 1.2 above)
31	FY99: FY98 FY00: FY99 FY01: FY00 FY02: FY01	1.2	Percent of post-baccalaureate students who completed teacher training program and passed Praxis II (or the NTE, if applicable during the transition period)	Institution (UMBC Dept. of Educ.)	The number of post-bach. students who passed the Praxis II (or NTE if applicable) divided by the number of post-bach. students who took Praxis II. had completed all other requirements for a teacher certification (from output measure 1.2 above)
32	See #2	1.4	Percent of nursing program graduates passing the licensing examination	Institutions	Self-explanatory
UMBC13	FY99: FY98 FY00: FY99 FY01: FY00 FY02: FY01	1.7	Rank in IT bachelor’s degrees awarded	IPEDS Completions Files	Rank among UMBC peers in the total # of bachelor’s degrees awarded in IT: (includes those degrees in Computer & Information Sciences; Computer Programming; Data Processing Tech.; Information Sciences & Systems; Computer Systems Analysis; Computer Science; Computer Engineering; Electrical,

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					Electronics & Communication.)
UMBC10	FY99: FY97 FY00: FY98 FY01: FY99 FY02: FY00	2.5	Rank among peers in ratio of invention disclosures to \$million in R&D expenditures	AUTM/NSF	Number of invention disclosures, no matter how comprehensive, counted by institution (AUTM) per millions of \$ in R&D expenditures
33	FY99: Calendar Year 98 FY00: Calendar Year 99 FY01: Calendar Year 00 FY02: Calendar Year 01	4.4	Number of faculty receiving prestigious awards	Diverse national data sources (USM Office)	Number of awards per 100 full-time instructional faculty at the ranks of professor, associate & assistant professor. Awards counted: Fulbrights, Guggenheims, NEH fellowships, CAREER (Young Investigator) awards, Sloan fellowships, and membership in any of the following: Institute of Medicine, National Academy of Engineering, National Academy of Sciences, American Academy of Arts & Sciences, National Academy of Education. Faculty are non-medical faculty from most recent AAUP counts. This information will be provided by USM Office.
34	FY99: FY97 Graduates FY00: FY99 Graduates FY01: FY00 Graduates FY02: FY01 Graduates	4.6	Student satisfaction with education received for employment	See #15	The percentage of bachelor's degree recipients employed full-time within one year of graduation and who rated their education as excellent, good, or adequate (fair) preparation for their job (including those who were undecided in the denominator.)
35	FY99: FY97 Graduates FY00: FY99 Graduates FY01: FY00 Graduates FY02: FY01 Graduates	4.7	Student satisfaction with education received for graduate or professional school	See #15	The percentage of bachelor's degree recipients who enrolled FT or PT in graduate or professional school within one year of graduation and who rated their preparation for advanced education as excellent, good or adequate (fair).
UMBC14	FY99: Fall 1998 FY00: Fall 1999 FY01: Fall 2000 FY02: Fall 2001	4.9	Rank in median SAT	U.S. News	Rank among UMBC peers in median SAT score.
EFFICIENCY					
36	Fiscal years	5.2	Rate of operating budget savings	Efficiency	Detailed definition included in report. Efficiency

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				<i>Efforts of the USM</i>	includes specific actions resulting on cost savings; cost avoidance; strategic reallocation; and revenue enhancement
37		6.1	Bond rating	Moody	Self explanatory
38	Fiscal years	6.2	% of replacement cost expended in facility renewal and renovation	USM Office of Capital Budget	Expenditures from operating and capital budgets on facility renewal and renovation as a percentage of the total replacement value. USM Office will provide replacement value. <[Operating facilities renewal (state supported) + capital facilities renewal (amount included in Academic Revenue Bonds) divided by the 2% replacement value] multiplied by .02 >
39		6.3	Cost of raising \$1	UMF	Administrative and other costs associated with fund raising divided by total funds raised. Information will be provided by USM Office

Source abbreviations:

EIS - MHEC Enrollment Information System

DIS - MHEC Degree Information System

UMF - University of Maryland Foundation